PHA II (Progressive Hammer Action II) Keyboard is a next-generation keyboard mechanism that faithfully recreates the natural touch and playing performance of a full concert grand piano. The keyboard employs real hammers rather than springs, and it has realistic touch resistance — lighter when playing soft pianissimo passages and stronger on fortissimo passages. Keys for low notes are more heavily weighted. As you move up the keyboard, the key weight becomes progressively lighter, just like a grand piano.

The "Ivory Feel" feature reproduces the real surface feel of ivory acoustic piano keys providing a familiar stability and comfort to the pianist. The white keys have a 2-piece structure which reduces the surface "click" noise when playing while also providing the authentic coloration on the side. The newly developed keyboard surface material is designed to absorb moisture, ensuring a secure, slip-proof feel that your fingers will love.

For the ultimate authentic touch, Roland has designed the PHA II Keyboard with Escapement (available on select models). When the keys are pressed slowly, the resistance increases and then suddenly relaxes. This escapement architecture reproduces the characteristic "click feel" of a grand piano. Roland's digital pianos that have the PHA II Keyboard with Escapement provide the most authentic piano touch available, and deliver each delicate nuance of your fingers perfectly and naturally, just like an acoustic grand.

General MIDI is an industry-wide set of specifications for sound sources that allow music data to be created regardless of manufacturer or specific models. General MIDI defines the minimum number of voices that should be supported, the MIDI messages that should be recognized, which sounds correspond to which Program Change numbers, and the layout of rhythm sounds on the keyboard. The General MIDI logo on a sound source indicates compatibility with song data which also carries the General MIDI logo.

GM2 (General MIDI System Level 2) is a set of standards for editing voices not covered by GM1. GM2 also defines the operation specifications of effects and other elements in detail, and enables more sophisticated performance expression and greater compatibility by expanding the range of voices.

The GS Format is a Roland specification that defines the manner in which multitimbral sound sources respond to MIDI messages. The GS Format includes specifications of sounds, functions available for Tone editing, effects (chorus and reverb), and additional standardized parameters. Any sound source that carries the GS Format logo is compatible with any GS Music Data (music data created under the GS Format).

XG is a tone generator format developed by Yamaha Corporation that defines the ways in which voices are expanded or edited, and the structure and type of effects, in addition to the General MIDI 1 specification. XG lite is a simplified version of the XG tone generation format. While XG music files can be played back using an XG lite tone generator, some files may play back differently compared to the original files due to the reduced set of control parameters and effects.

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NEW PRODUCT CATALOG

Roland
the shape of music.

2008 Vol.2

RG-1 Digital Grand

Roland

PHA II · IVORY FEEL · Escapement · GENERAL MIDI 2 · XG lite · USB MEMORY

Elegant, Streamlined, Affordable — a Grand for Every Environment

■ RG-1-SB
Note: Piano benches may vary from region to region.

Introducing a groundbreaking digital grand with a graceful style and stunning Satin Black finish that blends elegantly into any environment. The piano sound and touch are exquisite, akin to playing a world-class grand, yet its bonus features such as the USB memory port give this instrument much more functionality than meets the eye.

- Streamlined grand-piano body with a lid that can be opened and closed
- Uncompromised 88-key stereo multi-sampled piano sound
- PHA II (Progressive Hammer Action II) "Ivory Feel" keyboard with Escapement
- Gorgeous, high-impact Satin Black finish unique to Roland
- Small footprint and amazingly lightweight (73cm / 29" depth, 75kg / 166lbs weight)
- Built-in stereo speaker system with incredibly realistic and expansive sound

High Class Yet Affordable

This new-concept digital grand is perfect for players who desire high-end piano sound, playability, performance, and the look of a classy grand piano.

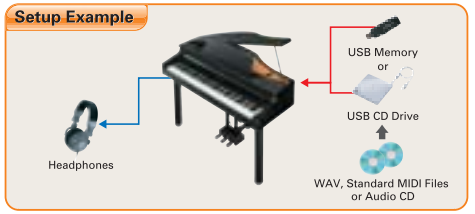
Streamlined Design

With a streamlined grand-piano shape, the RG-1 is an elegant addition to any room. It features a lightweight, easy-to-open lid that can be locked while it is opened. The RG-1 is available in a gorgeous Satin Black finish that will compliment any space, small or large.

Superior Sound

The RG-1 is equipped with Roland's finest 88-key stereo multi-sampled piano sound in which the distinctive acoustic properties of each key have been captured, to accurately reproduce the subtlety of a full concert grand piano. Your ears won't believe how true to life this piano sounds and responds.

*Photograph is an image.



Perfect Touch

PHA II · IVORY FEEL

For the most authentic keyboard feel, the RG-1 features Roland's acclaimed PHA II keyboard with Escapement and Ivory Feel keys, which yields a heavier touch in the lower range and lighter touch in the upper. It also provides lighter resistance for pianissimo passages and stronger resistance for fortissimo. The white keys have a 2-piece structure that reduces the surface "click" noise when playing. The newly developed keyboard surface material is designed to absorb moisture, ensuring a secure, slip-proof feel that your fingers will love. The authentic coloration of grand-piano keys can also been seen on the sides of the white keys.

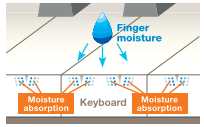


*Illustration is an image.

Characteristic "Click Feel" of Grand-Piano Keys

When the keys are pressed slowly, the resistance increases and then suddenly relaxes. The escapement architecture of the RG-1 keys reproduces the characteristic "click feel" of a grand piano for the ultimate in realistic performance and expression.

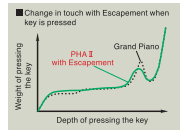


*Chart is an image.

USB Media Features

Play along with your favorite songs by simply inserting an industry-standard USB Flash Memory or optional USB CD drive. The RG-1's flexible file compatibility enables playback of WAV files and Standard MIDI Files through the built-in stereo speaker system — great for "one-man band" type performance, or skill-building play-along sessions.

■ Options

M-UF1G
USB Flash Memory

DH-01
Holder (for External USB CD drive)

FD-01A
Floppy Disk Drive

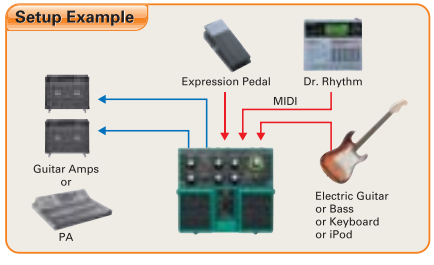
Compatible CD drive information can be found at www.Roland.com.

SL-20 Slicer

Instant Audio Adrenaline

Inject a shot of high-octane fuel into your music with the SL-20 Slicer. Instantly transform a guitar, bass, keyboard, or vocal into a pulsating groove instrument. Choose from 50 onboard Slice patterns or experiment with the SL-20's innovative Harmonic Slicer feature, which generates percussive melodies, Loop Record, and unique 3D Panning.

- Instant groove and percussive-melody generator
- 50 Slice patterns onboard, with adjustable attack and duration, including Harmonic Slice
- Tap Tempo via onboard pedal switch; internal and MIDI sync
- Sound characteristics such as attack, duration, effect level, and direct level are controllable via external Expression pedal (sold separately)
- Variety of output modes, including the unique 3D Panning for spacious sliced FX



Groove and Melody Maker

The SL-20 transforms your music into percussive "chopped" grooves. Fifty rhythmic patterns are onboard, with adjustable note attack and duration, plus amazing Harmonic Slice effects. Create high-energy patterns onstage in real-time, or use the SL-20 as a songwriting and recording tool. Play the sliced sounds in realtime while capturing them with Loop Record.

Flexible Control

An internal tap-tempo feature is included, as well as the ability to sync to external MIDI clock. Sound characteristics of the SL-20 such as attack, duration, effect level, and direct level can be controlled by the onboard knobs or from an external Expression pedal.

Universal FX

The SL-20 is an addictive effect that inspires creativity. It's great for guitarists, but it's equally useful for other instrumentalists as well. Plug in a bass, keyboard, iPod®, or any other instrument or music-playback device. DJs and dance-music artists will also love the SL-20 as a rhythmic-performance tool.

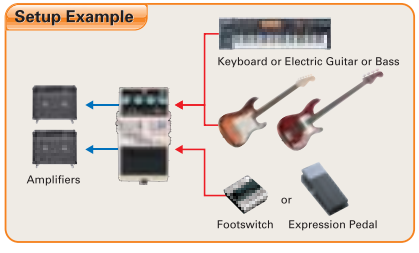
■ Rear Panel

DD-7 Digital Delay

The Next Step in Compact Delay

Even with the best-selling delays in compact-pedal history, BOSS continues to push the envelope and innovate. The new DD-7 takes the best features from its predecessors and expands the creative potential with Modulation Delay mode, classic modeled Analog Delay mode, External pedal control options, longer delay time, and more.

- Expanded delay time, up to 6.4 seconds
- Modulation Delay mode offers natural, chorus-type sounds
- Analog Delay mode models the classic warm BOSS DM-2 analog delay sound
- Tap tempo controllable via external footswitch
- Delay time, feedback, and effect level can be controlled via external Expression pedal (sold separately)
- Up to 40 seconds of recording for sound on sound (Hold mode)



Expanded Delay Time

Up to 6.4 seconds of delay time is available with the DD-7, a marked increase from its predecessor. In addition, Hold mode allows up to 40 seconds of input to be recorded for creating "sound on sound" performances.

New Delay Modes

The DD-7 is equipped with two innovative new delay modes. Modulation Delay provides chorus-flavored sounds. Analog Delay offers a modeled simulation of the classic BOSS DM-2, beloved for its characteristic warmth.

External Control

For hands-free control of the DD-7, an external footswitch and Expression pedal (sold separately) can be used. Tap tempo can be controlled from an external footswitch, while delay time, feedback, and effect level can be changed on the fly via Expression pedal.

Stereo Output

Create amazing effects with the DD-7's stereo output, such as spatial audio sweeps via true stereo panning. You can also use the stereo outputs to create separate dry and wet signal paths — handy for recording and live-performance control.

MOBILE CUBE

Battery Powered Stereo Amplifier

Roland®

The All-Purpose Portable Amp

Plug into instant audio entertainment with the new MOBILE CUBE amplifier. Small and mighty, this little stereo amp can handle all types of electronic instruments and audio devices, and can be used anywhere, anytime. Connect microphones, electric and acoustic guitars, keyboards, drum machines, MP3 players, you name it, and jam for up to 15 hours.

- Battery-powered amplifier for anyone, anywhere, anytime
- 5W (2.5W + 2.5W) stereo power with two high-performance 10cm (4") speakers
- Inputs for microphone, stereo-instrument, and stereo AUX; headphone output
- Center Cancel function for karaoke
- Built-in stereo reverb/chorus, distortion and more
- Dedicated strap included for easy carry around

Small Size, Big Sound

At just 280 mm (W) x 108 mm (D) x 177 mm (H) /11-1/16" (W) x 4-1/4" (D) x 7" (H), no larger than a briefcase, MOBILE CUBE is a traveler's dream. Battery-powered, it can be operated anywhere — just plug in, turn on, and jam. Two high-performance speakers provide stereo sound that defies MOBILE CUBE's physical size.

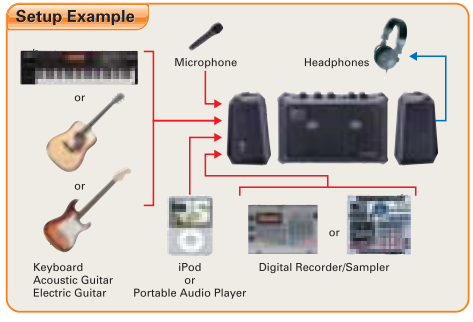
Built-In Stereo Effects

Equipped with Roland's legendary FX engine, MOBILE CUBE offers high-quality stereo reverb and chorus effects. Sweeten your vocals, add fire to your guitar tone, or immerse your mixes in a rich stereo sound field. Center Cancel is also provided for minimizing vocals in pre-recorded music — great for karaoke and play-along performance.

All Instruments Welcome

Thanks to its variety of inputs, MOBILE CUBE accommodates microphones, keyboards, acoustic guitars, electric guitars, MP3 players, and more; no other instrument amplifier of this size has a stereo input port. Use it as a practice amp at home, while traveling, indoors or out. It's great for parties, karaoke, and vocal lessons. Connect it to a mic stand for use as a monitor speaker or micro PA.

■ Control Panel



Application Examples

RG-1 Digital Grand

P.2-3

Keyboard	Keyboard	88 keys (PHA II Ivory Feel Keyboard with Escapement)
	Touch Sensitivity	Touch: 100 levels, Fixed Touch
		Hammer Response: 10 levels
	Keyboard Mode	Whole, Layer (as layer tones. volume balance adjustable), Split (split point adjustable)
Sound Generator	Piano Sound	88-keys Stereo Multi-sampling Piano Sound
	Max. Polyphony	128 voices
	Tones	20 tones (5 groups 4 variations) for manual performance, 337 internal tones for SMF playback (including 8 drum sets, SFX set)
		GM2/GS/XG Lite
	Temperament	8 types, selectable tonic
	Stretched Tuning	2 types
	Master Tuning	415.3 Hz to 466.2 Hz (adjustable in increments of 0.1 Hz)
	Transpose	Key Transpose: -6 to +5 (in semitones), Playback Transpose: -6 to +5 (in semitones)
	Effects	Reverb (127 levels), Hammer noise (only for piano tones, 5 levels), Damper Resonance (only for piano tones, 10 levels), Damper Noise (only for piano tones, 10 levels), Duplex Scale (only for piano tones, 10 levels), String Resonance (only for piano tones, 10 levels), Key Off Resonance (only for piano tones, 10 levels)
	Equalizer	4-bands Digital Equalizer
Other Functions		Panel Lock, Playback Lock, V-LINK
Metronome		Tempo: Quarter note = 10 to 500, Beat: 2/2, 0/4, 2/4, 3/4, 4/4, 5/4, 6/4, 7/4, 3/8, 6/8, 9/8, 12/8, Volume: 11 levels
Recorder	Tracks	1 track
	Song	1 song
	Note Storage	Approx. 30,000 notes
	Resolution	120 ticks per quarter note
Internal Memory	Songs	Max. 99 songs
	Save Song	Standard MIDI Files (Format 0)

External memory	External Storage	USB Memory, Floppy Disk (when using optional floppy disc drive)
	Playable Software	Standard MIDI Files (Format 0/1), Roland Original Format (i-Format), Audio File (WAV 44.1 kHz / 16-bit linear format), Audio CDs (CD-DA) (when using a USB CD drive)
	Save Song	Standard MIDI Files (Format 0)
Controls		Song Select, Play/Stop, Rec, Previous / Rewinding, Next / Fast-forwarding, Track Mute (Mute level adjustable), Melody Guide (Track mute volume), Tempo (only for Music files playback), All Song Play, Center Cancel (only for Audio playback), Count-in (only for Music files playback)
Other	Internal Songs	Over 50 songs (including the tone demos)
	Rated Power Output	40 W x 2
	Speakers	20 cm x 2, 5 cm x 2
	Display	20 characters, 2 lines LCD
	Controls	Volume, Brilliance, LCD Contrast
	Pedals	Damper (half-pedal recognition), Soft (half-pedal recognition, Function assignable), Sostenuto (Function assignable)
	Connectors	USB (MIDI) connector, External memory port (USB), Output jacks (L/Mono, R), Input jacks (L/Mono, R), Headphones jack x 2 (Stereo), MIDI connectors (IN, OUT), AC inlet
	Power supply	AC 117 V, AC 230 V, AC 240 V (50/60 Hz)
	Power Consumption	60 W
	Dimensions	top opened: 1,420 (W) x 730 (D) x 1270 (H) mm/ 56 (W) x 29 (D) x 50 (H) inches
		top closed: 1,420 (W) x 730 (D) x 890 (H) mm/ 56 (W) x 29 (D) x 36 (H) inches
	Weight	75 kg / 166 lbs
	Accessories	Owner's Manual, Power Cord, Brackets
	Options	USB Flash Memory: M-UF1G, Floppy Disk Drive: FD-01A, Holder (for External CD drive): DH-01

SL-20 Slicer

P.4

Nominal Input Level	-20 dBu
Input Impedance	1 MΩ
Nominal Output Level	-20 dBu
Output Impedance	1 kΩ
Recommended Load Impedance	10 kΩ or greater
Tempo	Quarter note: 30-250 bpm
Maximum recording time	40 sec.
Controls	START/STOP, REC, PLAY pedal, TAP pedal, EFFECT LEVEL knob, DIRECT LEVEL knob, BANK knob, PATTERN knob, ATTACK knob, DUTY knob, TEMPO knob, OUTPUT MODE button, PEDAL MODE button
Indicator	MONO, FIXED, RANDOM, PING-PONG, AUTO, 3D PANNNER, 3D CROSS, LATCH, MOMENTARY, TEMPO, START/STOP, REC, PLAY, TAP, POWER

Connectors	INPUT jacks R/MONO, L (1/4 inch phone type), OUTPUT jacks R/MONO, L (1/4 inch phone type), EXP PEDAL jack (1/4 inch TRS phone type), MIDI IN connector, AC adaptor jack (DC 9 V)
Power Supply	DC 9 V: Dry battery LR6/R6 (AA) type x 6, AC Adaptor (PSA-series: optional)
Current Draw	110 mA (DC 9 V) * Expected battery life under continuous use: Carbon: 7 hours, Alkaline: 18 hours. These figures will vary depending on the actual conditions of use.
Dimensions	173 (W) x 158 (D) x 57 (H) mm/ 6-13/16 (W) x 6-1/4 (D) x 2-1/4 (H) inches
Weight	1.1 kg / 2 lbs 7 oz (including batteries)
Accessories	Owner's Manual, Leaflet ("USING THE UNIT SAFELY," "IMPORTANT NOTES," and "Information"), Dry battery R6 (AA) type (carbon)*1 x 6
Options	AC adaptor (PSA-series), Expression pedal: Roland EV-5, FV500L

* 0 dBu = 0.775 Vrms
*1 The battery that was supplied with the unit is for temporary use-intended primarily for testing its operation. We also suggest replacing this with an alkaline dry cell.

DD-7 Digital Delay

P.5

Nominal Input Level	-20 dBu
Input Impedance	1 MΩ
Nominal Output Level	-20 dBu
Output Impedance	1 kΩ
Recommended Load Impedance	10 Ω or greater
Delay Time	1 ms to 40 sec.*1
Controls	Pedal switch, E.LEVEL knob, F.BACK knob, D.TIME knob, MODE knob
Indicator	CHECK indicator (Used for indication of TEMPO, HOLD, and to check battery)
Connectors	INPUT-A (MONO) jack, INPUT-B jack, OUTPUT-A (MONO) jack, OUTPUT-B jack, TEMPO/EXP jack, AC adaptor jack (DC 9 V)

Power Supply	DC 9 V: Dry battery 6F22 (9 V) type (carbon)/Dry battery 6LR61 (9 V) type (alkaline), AC Adaptor (PSA-series: optional)
Current Draw	55 mA (DC 9 V) * Expected battery life under continuous use: Carbon: 1.5 hours, Alkaline: 6 hours. These figures will vary depending on the actual conditions of use.
Dimensions	73 (W) x 129 (D) x 59 (H) mm/ 2-7/8 (W) x 5-1/8 (D) x 2-3/8 (H) inches
Weight	440 g / 1 lb (including battery)
Accessories	Owner's Manual, Mode Sticker, Application Sticker, Leaflet ("USING THE UNIT SAFELY," "IMPORTANT NOTES," and "Information"), Dry battery/9 V type (6LR61)*2
Options	AC adaptor (PSA-series), Footswitch: FS-5U, Expression pedal: Roland EV-5

* 0 dBu = 0.775 Vrms
*1 Values may vary according to the mode and connections.
*2 The battery that was supplied with the unit is for temporary use-intended primarily for testing its operation. We also suggest replacing this with an alkaline dry cell.

MOBILE CUBE Battery Powered Stereo Amplifier

P.6

Rated Power Output	2.5 W + 2.5 W
Nominal Input Level (1 kHz)	MIC Channel: -50dBu, KEYBOARD/INSTRUMENT/ GUITAR Channel: -10 dBu, AUX IN: -10 dBu
Speakers	10 cm (4 inches) x 2
Controls	POWER switch, TONE knob, DELAY/REVERB knob [MIC Channel] VOLUME knob, [KEYBOARD/INSTRUMENT/GUITAR Channel] TYPE switch, VOLUME knob, CHORUS switch [AUX] CENTER CANCEL switch
Indicator	POWER

Connectors	[MIC Channel] Input Jacks (1/4" phone type), [KEYBOARD/INSTRUMENT/GUITAR Channel] Input jack L/MONO/GUITAR (1/4" phone type), Input jack R (1/4" phone type), AUX IN jacks (Stereo miniature phone type, RCA phono type), PHONES jack (Stereo miniature phone type), AC Adaptor jack
Power Supply	DC 9 V: Dry Battery (LR6 (AA) type) x 6 or AC Adaptor (optional)
Current Draw	175 mA
Dimensions	280 (W) x 108 (D) x 177 (H) mm/ 11-1/16 (W) x 4-1/4 (D) x 7 (H) inches
Weight	2.5 kg/ 5 lbs 9 oz (including Battery)
Accessories	Strap, Dry Battery (LR6 (AA) type)*1 x 6, Owner's Manual
Options	AC Adaptor (PSB-120/PSB-230EU/PSB-230UK/PSB-240A), Microphone Stand: ST-100MB

* 0 dBu = 0.775 Vrms
*1 The battery that was supplied with the unit is for temporary use-intended primarily for testing its operation. We also suggest replacing this with an alkaline dry cell.

The specifications are subject to change without notice. For latest specifications, visit us online at www.Roland.com